Biomarkers for Tobacco Exposure: Application to Clinical and Epidemiological Studies

October 25-26, 2001
Minneapolis, MN
Crowne Plaza Hotel

Biomarkers of tobacco exposure include chemicals present in tobacco or tobacco smoke, metabolic products of these chemicals, and biological effects which mediate or accompany tobacco-related disease. The purpose of this conference is to comprehensively review a wide range of currently available and potential biomarkers, the types of information each provides, and how to incorporate them into clinical or epidemiological studies. The target audience is investigators who use biomarkers as tools to measure tobacco exposure or effects; analytical methodology will be considered only insofar as it contributes to understanding how to best use these biomarkers.

PRELIMINARY AGENDA

Thursday October 25, 2001

7:00 a.m. – 8:00 a.m.	REGISTRATION AND CONTINENTAL BREAKFAST
8:00 A.M. – 8:15 A.M.	*INTRODUCTORY REMARKS* Dorothy Hatsukami, Ph.D. University of Minnesota *MODERATOR* Paul Pentel, M.D. University of Minnesota
8:15 a.m. – 8:40 a.m.	*OVERVIEW OF BIOMARKERS FOR TOBACCO EXPOSURE* Mitch Zeller, J.D. American Legacy Foundation
8:40 a.m. – 9:20 a.m.	*NICOTINE AND ITS METABOLITES* Neal Benowitz, M.D. University of California San Francisco
9:20 a.m. – 10:00 a.m.	*MINOR TOBACCO ALKALOIDS AS BIOMARKERS OF TOBACCO EXPOSURE* Peyton Jacob III, Ph.D. University of California San Francisco
10:00 a.m. – 10:30 a.m.	BREAK AND POSTER SESSION *MODERATOR* Deb Hennrikus, Ph.D. University of Minnesota
10:30 a.m. – 11:10 a.m.	*MEASUREMENT OF ENVIRONMENTAL TOBACCO EXPOSURE* Katharine Hammond, Ph.D. University of California, Berkeley

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11:10 a.m. – 11:50 p.m.	*EPIDEMIOLOGY OF EXPOSURE REDUCTION* David Burns, M.D. University of California, San Diego
11:50 a.m. – 1:00 p.m.	LUNCH
	MODERATOR Stephen Hecht, Ph.D. University of Minnesota
1:00 p.m. – 1:40 p.m.	*CARCINOGENS I: URINARY BIOMARKERS OF CARCINOGEN UPTAKE* Stephen Hecht, Ph.D. University of Minnesota
1:40 p.m. – 2:20 p.m.	*CARCINOGENS II: HEMOGLOBIN ADDUCTS AS BIOMARKERS OF CARCINOGEN UPTAKE* Paul Skipper, Ph.D., Massachusetts Institute of Technology
2:20 p.m. – 2:50 p.m.	BREAK AND POSTER SESSION
2:50 p.m. – 3:30 p.m.	*CARCINOGENS III: GENETIC POLYMORPHISMS-RELATIONSHIP TO CARCINOGENESIS* Peter Shields, M.D. Georgetown University Medical Center
3:30 p.m. – 4:10 p.m.	*CARCINOGENS IV: HISTOLOGIC BIOMARKERS OF CARCINOGEN EXPOSURE* William Rom, M.D., M.P.H. New York University Medical Center
4:10 p.m. – 5:00 p.m.	Reception

Friday October 26, 2001

7:00 a.m. – 8:00 a.m.	BREAKFAST BUFFET
	MODERATOR Anne Joseph, M.D., MPH Veteran's Administration Medical Center
8:00 a.m. – 8:40 a.m.	*CARDIOVASCULAR DISEASE I: MECHANISMS* Neal Benowitz, M.D. University of California San Francisco
8:40 a.m. – 9:20 a.m.	*CARDIOVASCULAR DISEASE II: CLINICAL MARKERS* Edward McFalls, M.D. V.A. Medical Center & University of Minnesota
9:20 a.m. – 10:00 a.m.	*BIOMARKERS OF FETAL EFFECTS OF TOBACCO* Cheryl Oncken, M.D., MPH University of Connecticut Health Center
10:00 a.m. – 10:20 a.m.	BREAK
	MODERATOR

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Harry Lando, Ph.D.
University of Minnesota

10:20 a.m. – 11:00 a.m. *BIOMARKERS OF TOBACCO-RELATED PULMONARY DISEASE*
Stephen Rennard, M.D.
University of Nebraska Medical Center

11:00 a.m. – 11:40 p.m. *NEW NICOTINE DELIVER DEVICES--ASSESSMENT USING BIOMARKERS*
John Slade, M.D.
University of Medicine & Dentistry of New Jersey

11:40 a.m. – 11:50 a.m. *CLOSING REMARKS & ADJOURNMENT*
Dorothy Hatsukami, Ph.D.
University of Minnesota

POSTER SUBMISSION -- Poster submissions relevant to the theme of this conference are invited. Posters that have already been presented elsewhere are welcome. Submission deadline for poster abstracts is 8/1/01.

Organizing committee: Dorothy Hatsukami, Ph.D., Stephen Hecht, Ph.D., Deborah Hennrikus, Ph.D., Anne Joseph M.D., M.P.H., Harry Lando, Ph.D., Paul Pentel, M.D.

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